Winter 2006

CS 240-01: Introduction to Computer Science I

L. Jane Lin
Wright State University - Main Campus

CS 240 – Introduction to Computer Science I (Winter 2006)

148 Russ Engineering Center, 12:20-1:35pm TR

Instructor: Dr. L. Jane Lin, 160 Russ Engineering Center
(off the study area inside 158 Russ Engineering Center)

Email: jane.lin@wright.edu

Web site: Check WebCT for class materials

Office Hours: 11:45am-12:20pm, 1:35-2:00 pm TR RC160 or by appointment

Textbook: *Big C++* by C. Horstmann and T. Budd, Wiley, 2005.

Software: Microsoft Visual C++ .NET (available in WSU Dunbar library with a nominal fee)

Course Description:

This course is the first in the three course sequence "Introduction to Computer Science" offered by the Computer Science department at WSU. This course presents a general introduction to C++ programming language. It introduces the fundamental capabilities of C++ language as a problem solving tool. Topics include data representation, debugging and program verification. **Note: *For all CS 24X students, concurrent registration into CS 24X lab is a must.***

Prerequisites: MTH 130 & MTH 131; or MTH 134 (co-requisite) or equivalent.

Grading Policy: Final grades will be computed as follows.

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4 Programming Assignments  -------- 32%
8 Lab Exercises ----------------- 20%
2 Examinations ------------------- 28%
1 Final Examination -------------- 20%
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Grading Scale: The final grade is assigned as follows.

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90-100 ------------------------------ A
80-below 90 ------------------------- B
70-below 80 ------------------------- C
60-below 70 ------------------------- D
Below 60 ---------------------------- F
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General Class Policy

It is strongly advised that students attend all lectures and lab sessions. In the event of absence, **a student is responsible for material covered in lecture/lab, and making up all missed work in the timeliest manner.** There is a **lab section** for this course and labs are handled by lab teachers who will guide and check eight laboratory assignments. **Students are required to complete at least two projects and four lab assignments to receive a non-X grade.** Programming projects are due at the beginning of the class on the date they are due. No late submissions are accepted. Always submit your work since partial credit is available. Examinations will be given on the dates specified on the class schedule. If a student misses a test, that test has 0 score automatically.

Class Schedule (→ over)

CS 240 Course Schedule (Winter 2006)

Date	Class Topics and quiz/exam dates	Reading Assignments
1-03 1-05	Introduction to Computers and Programming Number Systems Data Types, Variables, I/O	1 App. F 2.1 -2.4
1-10 1-12	Arithmetic and String Expressions	2.5 - 2.6
1-17 1-19 1-23	Flow of Control (conditional decisions and iteration) Functions **Last day to drop without a Grade: Monday, Jan. 23**	4 5.1 – 5.6
1-24	Functions continues	5.1 – 5.6
1-26	**Examination 1 (Covers Chapters 1-5.6; App. F)**	
1-31 2-02	Procedures and Software Design	5.7 – 5.13
2-07 2-09	Adv. Flow of Control	7
2-14 2-16	Testing and Debugging 1-dimensional Vectors and Arrays	8 9.1 – 9.5.3
2-20 2-21	**Last day to drop with W Grade: Monday, Feb. 20** 1-dimensional Vectors and Arrays continues	9.1 – 9.5.3
2-23	**Examination 2 (Covers 5.7; 7-9.5.3)**	
2-28 3-02	Quick Introduction to Objects Classes	3, 6
3-07 3-09	Multiple-dimensional Vectors and Arrays	9.5.4
3-14	**Final Exam (1-3 pm)**	

Note: The instructor reserves the right to make changes to the tentative class schedule.